PW ENVIRONMENTAL

March 28, 2006

Ms. Diane Wahl
County of Ventura
Environmental Health Division,
LUFT Program
800 South Victoria Avenue
Ventura CA 93009-1730

Subject: Bauer and Collins Property
1140 South Wells Road, Saticoy
EHD Site #C01033
WELL ABANDONMENT

Dear Ms. Wahl:

PW Environmental prepared this *Well Abandonment Report* for the property located at 1140 South Wells Road, Saticoy, on behalf Mr. John Bauer and Ms. Patti Collins, responsible parties. The services were provided in accordance with the County of Ventura Environmental Health Division, Leaking Underground Fuel Tank Program letter dated January 26, 2006 (attached), requiring abandonment of site groundwater monitoring wells MW1 through MW4. This work was conducted in response to the Los Angeles Regional Water Quality Control Board approval of the site for regulatory closure.

PW trusts this report addresses your current requirements. Please contact the undersigned if you have questions or comments regarding this report.

Respectfully submitted,

PW ENVIRONMENTAL

Therese E. McCarthy-Watson
Therese McCarthy-Watson
Project Geoscientist

Robert C. Orlando, PG #4555
Senior Geoscientist

PROFESSIONAL GEOLOGIST • ROBERT C. ORLANDO • NO 4555 • STATE OF CALIFORNIA

cc: Mr. John Bauer and Ms. Patti Collins, RP
Mr. Dan Ortiz, site owner

230 DOVE COURT ▪ SANTA PAULA, CALIFORNIA 93060 ▪ LIC. 457640
(805) 656-4677 ▪ (805) 525-5563 ▪ (800) 231-4677 ▪ FAX (805) 525-2896
http://www.pwenvironmental.com • Email: info@pwenvironmental.com

WELL ABANDONMENT REPORT

BAUER AND COLLINS PROPERTY
1140 South Wells Road, Saticoy
EHD File #C01033

1.0 INTRODUCTION

On March 14, 2006, PW Environmental (PW) abandoned site monitoring wells MW1, MW2, MW3R, and MW4. The work was performed in accordance with the County of Ventura Environmental Health Division (EHD), Leaking Underground Fuel Tank Program letter dated January 26, 2006 (Appendix A), and in response to the Los Angeles Regional Water Quality Control Board approval for regulatory site closure.

2.0 WORK PERFORMED

Based on laboratory analytical data for groundwater samples collected during recent quarterly monitoring events from the property located at 1140 South Wells Road in Saticoy (Figures 1 & 2), EHD and LARWQCB approved formal regulatory site closure. A site description and background are presented in Appendix B.

2.1 PROJECT COORDINATION

2.1.1 RP/Agency Interaction

PW interacted with the RP and EHD regarding the workscope and project scheduling. PW coordinated site activities with the property owner and kept the property owner informed of project scheduling to prevent conflicts with site operations.

2.1.2 Site Health & Safety Plan (update)

PW updated the site-specific Health & Safety Plan (HSP) for the proposed scope of services. The HSP provided a description of the proposed work, a description of the anticipated physical and chemical hazards, and site-specific responses should an accident occur. The HSP was reviewed by all parties involved in the site work and signed prior to initiation of field activities.

2.1.3 USA Coordination

Prior to field activities, PW conducted a site visit to mark the planned drilling locations and contacted Underground Service Alert for notification of utility companies regarding the presence and location of buried utilities on and in the immediate vicinity of the property.

2.1.4 Pre-field Coordination

PW services consisted of: 1) coordination of subcontractors for field activities to include drilling, laboratory scheduling, and waste transportation and disposal; 2) pre-field meeting to discuss well abandonment, potential site operation conflicts, and waste management; 3) preparation of supplies for transportation to the site; and, 4) preparation of field book with HSP, permit, field logs, and subcontractor information.

2.1.5 Well Permitting

PW completed the appropriate permit application and worked with the Ventura County Watershed Protection District (VCWPD), Water Resources Division to obtain a well permit required for the proposed well abandonment activities. PW secured the appropriate signatures from the driller and property owner and communicated with VCWPD regarding status of processing the permit. The VCWPD issued Well Permit #6281 on March 7, 2006 (Appendix C).

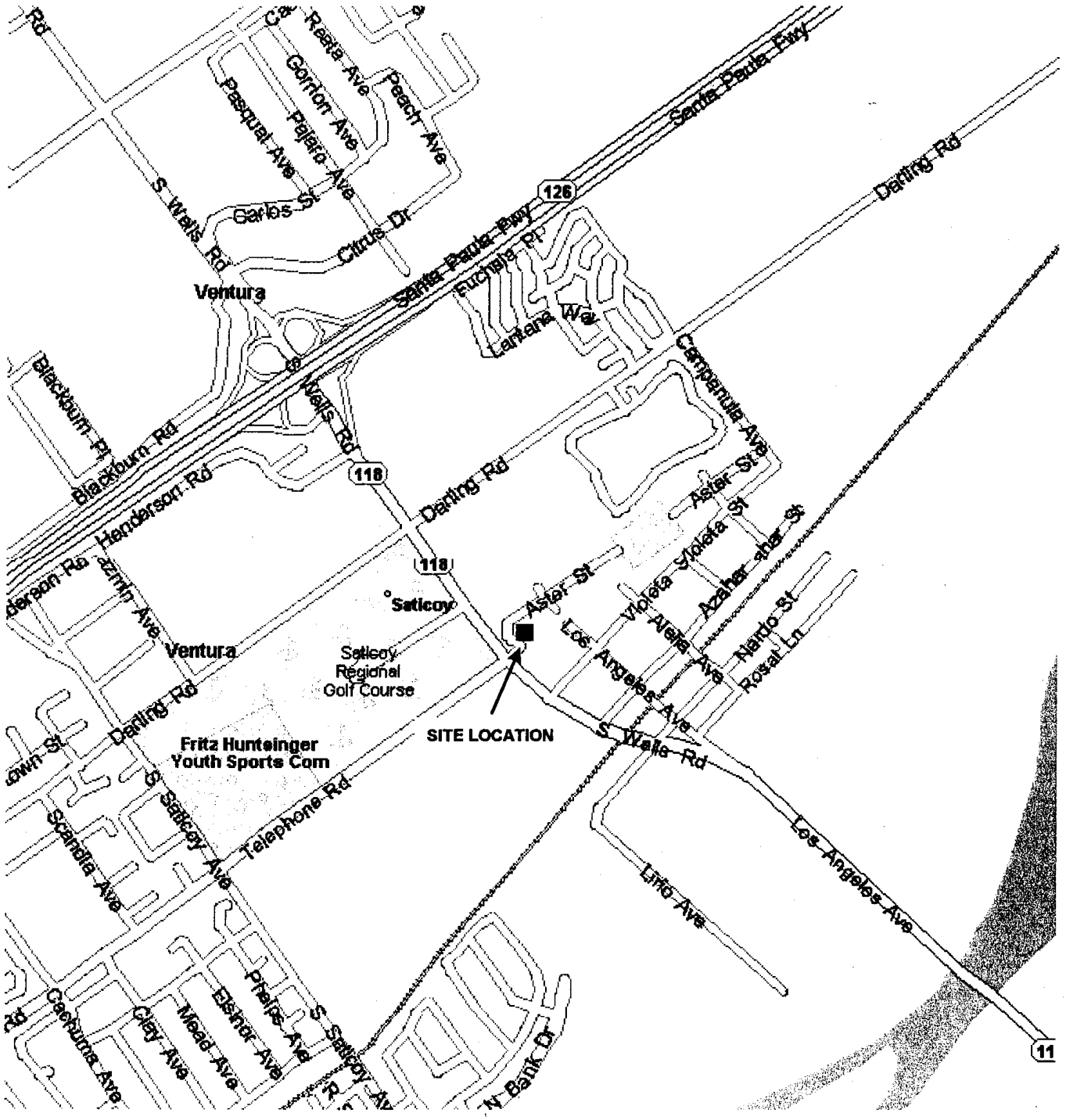
2.2 FIELD SERVICES

2.2.1 Well Abandonment

On March 14, 2006, PW abandoned groundwater monitoring wells MW1, MW2, MW3R, and MW4. Following the removal of the well box and concrete surface seal from the wells, the well casings were removed (or ripped in place) and the boreholes over drilled using a CME 75 with continuous flight, hollow-stem auger rig equipped with 8-inch diameter augers. The casing material (2-inch diameter, schedule 40 PVC) from wells MW1 and MW2 were removed intact, cleaned, and cut into approximately 4-foot lengths for disposal. The casing in wells MW3R and MW4 broke off during removal and were over drilled for removal. Well MW1 was over drilled to 19 below ground surface (bgs), and wells MW2, MW3R, and MW4 were over drilled to 20 feet bgs. The boreholes were backfilled with neat cement/bentonite grout slurry to approximately 2 feet bgs. PW monitored the slurry until set and added bentonite chips, as needed. Neat cement was then used to backfill the borings to within approximately 1-foot bgs. The backfilled boreholes were completed to surface grade with concrete or native soil, as appropriate. Well abandonment was performed under the direct supervision and witness of Robert C. Orlando, PG #4555, and the County of Ventura field inspector. Boring Logs for the abandoned wells are provided in Appendix D.

Soil cuttings from the well abandonment activities were placed in a sealed roll-off bin stored on site. A composite soil sample was collected from the bin and submitted to Associated Laboratory in Orange under standard sampling and Chain-of-Custody protocols for waste profiling purposes. The soil sample was analyzed for: total petroleum hydrocarbons as gasoline (THP-G) using EPA Method 8015M; volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, and total xylenes and fuel oxygenates using EPA Method 8260B; and CAM 17 Metals by EPA Method 6010B. The laboratory analytical results indicated non-

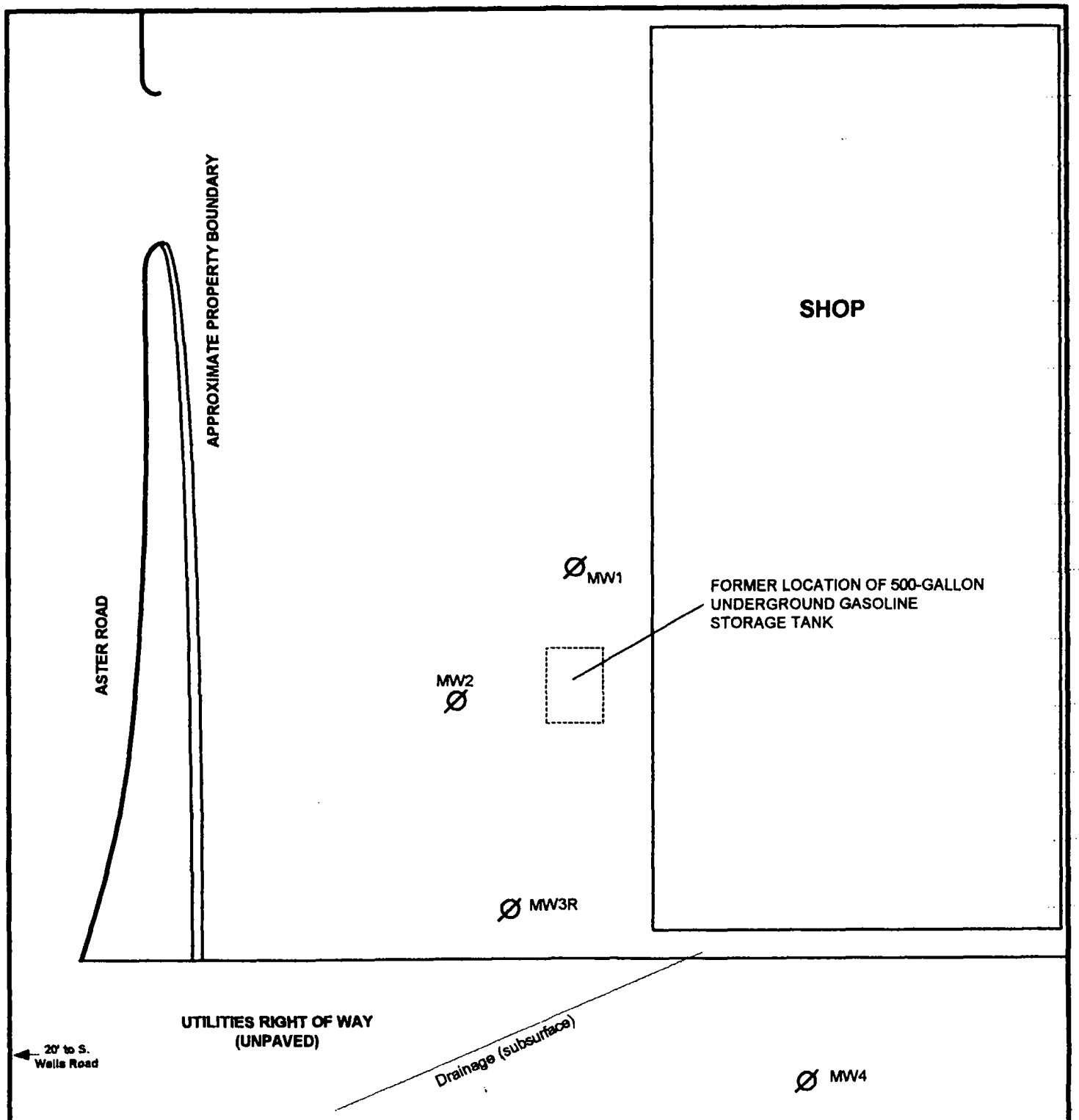
detectable concentrations for TPH-G and VOCs. Analytical testing for trace metals yielded concentrations above the laboratory detection limit (excluding selenium, silver, thallium, and mercury), however, below listed corrective action levels. On March 27, 2006, the soil was transported off site and disposed of at TPS Technologies Soil Recycling in Adelanto, a licensed soil recycling facility.



SITE LOCATION MAP
BAUER & COLLINS PROPERTY
1140 SOUTH WELLS ROAD
SATICOY, CALIFORNIA

PW ENVIRONMENTAL
230 DOVE COURT • SANTA PAULA, CALIFORNIA • 93060

FIGURE 1



KEY

MW4 — ABANDONED GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION

SITE PLAN

BAUER & COLLINS PROPERTY
1140 SOUTH WELLS ROAD
SATICOY, CALIFORNIA

PD ENVIRONMENTAL
230 DOVE COURT • SANTA PAULA, CALIFORNIA • 93060

FIGURE 2

DRAWN BY: Ryan L. Smith

DATE: 12/3/04

APPENDIX A

AGENCY APPROVAL LETTERS/DIRECTIVES

RESOURCE MANAGEMENT AGENCY
county of ventura

Environmental Health Division
Robert Gallagher
Director

January 26, 2006

File #C01033

Mr. John Bauer
c/o Bauer Premium Fly Reels, Inc.
P. O. Box 747
Ashland, OR 97520-0025

ABANDON MONITORING WELLS — BAUER MANUFACTURING, 1140 SOUTH WELLS ROAD, VENTURA, CALIFORNIA

The Ventura County Environmental Health Division (EHD) staff received case closure concurrence from the Los Angeles Regional Water Quality Control Board. However, as a final condition of case closure, EHD requires the following.

1. All existing monitoring wells are to be properly destroyed in accordance with the standards set forth in California Department of Water Resources Bulletins 74-81 and 74-91. It is your responsibility to obtain all required permits from the applicable city and/or county agencies. The work must be performed under the oversight of a California Professional Geologist or Engineer.

2. A report documenting completion of the well destruction activities must be submitted to EHD. Upon receipt of the well destruction report and payment in full of EHD's final invoice (invoice pending), EHD will issue a certificate of remedial action completion to document regulatory closure of this case. Submit the required report by March 24, 2006.

3. Routine groundwater monitoring and sampling are no longer required.

If you have any questions, please call me at 805/654-5040.

DIANE B. WAHL
LUFT PROGRAM
ENVIRONMENTAL HEALTH DIVISION

c: Mr. Robert C. Orlando, R.G., PW Environmental

DC: F:\Admin\TANKS\Luft\01January.06\01-dbw-01033.doc

800 South Victoria Avenue, Ventura, CA 93009-1730 (805) 654-2813 FAX (805) 654-2480
Internet Web Site Address: www.ventura.org/envhealth

APPENDIX B

SITE DESCRIPTION, BACKGROUND

SITE DESCRIPTION

The Bauer and Collins site is located at 1140 South Wells Road, east of the intersection of Aster Road and South Wells Road in Saticoy (Figure 1). The rectangular site is located in an area of mixed residential/commercial use and is bound by: residences to the north and east; an unpaved easement road and storm drainage channel to the south; and Aster Road to the west. The eastern two-thirds of the property is occupied by a single-story building that is currently occupied by a welder that constructs iron gates. The western third of the property contains a paved area used for parking (Figure 2). The site is generally flat with a gentle surface gradient to the southwest.

BACKGROUND

On October 11, 2001, PW removed one 550-gallon gasoline underground storage tank (UST; located adjacent to the west side of the building, near the southernmost building entrance) and associated plumbing from the site. During excavation activities, strong hydrocarbon odors and staining were observed in soil below and adjacent to the base of the UST. Laboratory analytical results for soil samples collected from the UST excavation indicated the presence of elevated concentrations of total petroleum hydrocarbons as gasoline (TPH-G) up to 1,800 milligrams per Kilogram (mg/kg) at 5 feet below ground surface (bgs) and total lead ranging from 16 to 20 mg/kg.

Based on site information and observed site conditions, EHD issued a letter dated January 30, 2002, requiring a preliminary site assessment be conducted to determine the extent of hydrocarbon contamination in the vicinity of the former UST. In response, PW prepared a *Soil and Groundwater Assessment Workplan* dated February 12, 2002. EHD approved this workplan in a letter dated March 8, 2002.

On May 1, 2002, three Geoprobe® soil borings (B1, B2, and B3) were advanced. PW was on site to collect and document soil and groundwater samples from each of the borings. At 5 feet bgs in the boring adjacent to the UST excavation, TPH-G was detected at 540 mg/kg and total lead ranged from non detect to 17 mg/kg. The results of this phase of investigation were presented in PW's *Soil and Groundwater Assessment Report*, dated June 27, 2002.

Based on the information presented in the June 27, 2002 report, EHD issued a letter, dated July 26, 2002, requiring the submittal of a workplan to verify the contamination identified at the site during the initial investigation, and preparation and submittal of a site-specific, Site Conceptual Model (SCM). PW submitted an *Additional Soil and Groundwater Assessment Workplan*, dated August 8, 2002. The workplan was conditionally approved by EHD in a letter dated October 4, 2002.

On January 21, 2003, four hollow-stem auger soil borings were advanced in the vicinity of the former UST. The borings were completed as 2-inch diameter groundwater monitoring wells (MW1, MW2, MW3, and MW4). Laboratory analytical results reported for the soil samples collected during well installation activities indicated that concentrations of TPH-G,

ethylbenzene, and total xylenes exceeding minimum detection limits were present in site soil. Laboratory analytical results for the groundwater samples indicated the presence of dissolved lead, 1,2-dichloroethane (EDC), and TPH-G in the groundwater. The contaminant concentrations reported for the samples did not exceed State water standards action levels, or maximum contaminant levels, with the exception of EDC detected in the well down gradient of the former UST at a concentration of 5.3 micrograms per liter (µg/L). Based on the information generated during the additional soil and groundwater assessment and SCM, it appeared that minor soil and groundwater contamination existed beneath the site. Because the soil and groundwater contaminant plume had not been fully assessed in the lateral and vertical dimensions, and active irrigation wells are located down gradient of the site, PW recommended Geoprobe borings to further delineate the lateral extent of soil contamination, conduct site remediation by source removal, and continue quarterly groundwater monitoring. The work performed and findings were presented in PW's *Additional Soil and Groundwater Assessment Report*, dated March 10, 2003, and SCM, dated April 24, 2003. In response, EHD issued letters dated March 25 and June 20, 2003, accepting the results of the soil and groundwater assessment and SCM, and required continued quarterly monitoring for the site. The letters also stated that data collected from consecutive quarterly monitoring events would support the consideration for low-risk closure.

Based on four quarters of groundwater monitoring data, EHD issued a letter dated January 8, 2004, notifying the RP that the site was to be evaluated for low-risk closure eligibility. The letter further stated that until concurrence from the Los Angeles Regional Water Quality Control Board (LRWQCB) is received, the quarterly groundwater monitoring program is to continue at the site. In a subsequent letter dated March 30, 2004, EHD directed that corrective action be performed in the source area to remove the residual hydrocarbon mass in the soil to be further protective of groundwater and of the nearby public supply wells located down-gradient of the source area. Until completion of the corrective action, EHD directed that the existing quarterly monitoring program continue at the site. In response, PW prepared CAP, dated May 24, 2004. The proposed CAP workscope consisted of: 1) conducting a limited hand auger assessment in areas adjacent to MW3 and in the former UST excavation pit to evaluate the required extent of the excavations to remove source soil; 2) completion of the remedial excavation using slot-cut method pending results from laboratory analytical results from the hand auger assessment; and, 3) collection of verification soil samples and submittal to a State-certified analytical laboratory for testing.

In a letter dated June 21, 2004, EHD approved the proposed workscope with these conditions: 1) eliminate hand auger borings and associated soil sampling; 2) extend excavation depths to 9 feet bgs; 3) abandon well MW3 and excavate impacted soil surrounding the well; 4) following excavation activities, replace monitoring well MW3 in the immediate area for future groundwater monitoring; 5) modification to the dewatering plan to include direct dewatering if appropriate; 6) modified soil sampling plan for excavation areas; and, 7) perform two additional quarters of groundwater monitoring and sampling following completion of excavation activities.

On August 26, 2004, PW abandoned groundwater monitoring well MW3. On September 10, 2004, PW initiated excavation activities in the vicinity of former monitoring well MW3. Based

on field observations, additional soil removal was warranted. PW provided the preliminary findings to EHD in *Remedial Excavation Preliminary Findings* report, dated September 23, 2004, and proposed extending the excavation. EHD approved the modified workscope except for extending the excavation to the east as proposed. From October 7 through 26, 2004, PW implemented the modified workscope and provided EHD with preliminary findings in a correspondence dated October 29, 2004. Based on the findings, PW recommended that residual soil, with elevated TPH-G concentrations (2,200 mg/kg) be removed. EHD approved additional soil removal in their correspondence dated November 3, 2004. PW initiated the modified workscope on November 16, 2004. Laboratory analytical results indicated TPH-G concentrations up to 1,200 mg/kg from the southern and eastern walls of the excavation at 6 feet bgs. Preliminary findings of the fieldwork were submitted to EHD in a facsimile on November 24, 2004, and discussed during a telephone conversation on November 29, 2004. PW prepared *Additional Remedial Excavation Work* letter report, dated November 30, 2004, proposing to excavate additional soil. In a facsimile and letter dated December 1 and 3, 2004, respectively, EHD approved the modified workscope.

On December 3, 2004, following completion of excavation activities outside the structure, PW proceeded with the installation of one groundwater monitoring well in the location of former well MW3 (MW3R). During the period of December 6 through 9, 2004, PW proceeded to complete the modified workscope approved by EHD. Confirmation soil samples collected on December 6, 2004, indicated non-detectable or concentrations of TPH-G below EHD cleanup levels established for the site (300 mg/kg). PW provided the preliminary findings to EHD in a facsimile dated December 7, 2004, indicating that the extent of the excavation had been completed. Between December 7 and 9, 2004, PW completed backfill activities and resurfaced inside the structure with concrete. PW's findings were presented in the *Remedial Excavation Report*, dated January 25, 2005. Five quarterly groundwater monitoring events have been performed (including fourth quarter 2005) since the completion of remedial activities at the site. Based on the findings from the first quarter 2005 monitoring event, PW recommended that the site be considered for low-risk closure. In an e-mail dated October 18, 2005, EHD responded by directing that the site be placed on a semi-annual sampling program while the site is evaluated for closure. The fourth quarter 2005 event was completed prior to receipt of this e-mail directive. Implementation of the modified monitoring program was to take affect the second quarter 2006. However, EHD informed the RP in a letter dated January 26, 2006, that groundwater monitoring and sampling at the site are no longer required following concurrence from LRWQCB for formal site closure. EHD directed that the site monitoring wells be properly destroyed and a report documenting well destruction activities by submitted for review.

APPENDIX C

WELL PERMIT

Permit No. **6281**
Page 1 of 2

County of Ventura
WELL PERMIT
800 South Victoria Avenue; Ventura, CA 93009

	Property Owner	Driller	Registered Inspector
Name	Daniel J. Ortiz	Test America Drilling Corp.	Robert Orlando
Address	2876 Sailor Avenue Ventura, CA 93003	1016 E. Katella Ave. Anaheim, CA 92805	230 Dove Court Santa Paula, CA 93060
Telephone	(805) 947-6125	(714) 939-6850	(805) 525-5563

Type of Work	**Monitoring Well – Destruction (4)**	**Sealing Zone**	2	**Main Use**	Monitoring
SWN (Partial)	02N22W02K	**ID**	NA	**APN**	090-0-092-080 090-0-092-090
Fee	$320.00	**Receipt No.**	6301	**Prep by:**	Barbara Council

Conditions

1. Permit issue and expiration dates are as follows:

   Issue Date: 03/07/06
   Expiration Date: 09/07/06

The Contractor shall keep a copy of this approved permit at the work site.

2. Property Owner, Driller ("Contractor") and Registered Inspector shall comply with all provisions of Ventura County Well Ordinance No. 4184, and all applicable State of California and local regulations pertaining to well construction, repair, modification and destruction.

3. Work shall be performed by a licensed water well contractor (C-57), who must also be registered with the Water Resources Division ("Division").

4. All work shall be inspected by a licensed Civil Engineer, Registered Geologist or Certified Engineering Geologist, who must also be registered with the Water Resources Division ("Division").

5. Contractor shall retain all drilling fluids and groundwater discharges within the drilling site, unless an NPDES permit has been obtained from the California Regional Water Quality Control Board, Los Angeles Region. The NPDES permit shall be obtained prior to drilling operations.

6. Borehole Destruction:

   a. Measure the total depth of the monitoring well(s) and redrill to the total depth. Existing casing, seal and gravel envelope shall be removed.

   b. Immediately after redrilling, bentonite clay chips, neat cement or cement grout shall be placed from the bottom of the borehole to a depth of 5 feet below ground surface.

Bentonite chips shall be hydrated as placed and shall be placed by means of a grout pipe positioned within 2 feet of the base of the borehole. If the sealing zone depth is 25 feet or less, bentonite chips may be placed by free-fall method.

All cement sealing material shall be placed by means of a grout pipe positioned within 2 feet of the base of the sealing zone. If there is no standing water in the borehole and the depth is 25 feet or less, a grout pipe will not be necessary.

   c. Clean native soil or other suitable material shall be placed from a depth of 5 feet to ground surface.

7. Post Requirement:

Registered Inspector's Well Sealing Report: Within 30 days after work is completed, Registered Inspector shall

County of Ventura
WELL PERMIT
800 South Victoria Avenue; Ventura, CA 93009

submit a Registered Inspector's Well Sealing Report for the monitoring well(s). Mail to County of Ventura – Watershed Protection District, Water Resources Division; Attn: Barbara Council (Re: MW Sealing Report); 800 South Victoria Avenue; Ventura, Ca. 93009-1600. **Failure to submit documents within 30 days will preclude Property Owner and Registered Inspector from obtaining future permits until report is received and may result in the issuance of a Notice of Non-Compliance.**

8. The information contained in the Application for Well Permit becomes a part of this permit.

Manager, Water Resources Division David Pamano Date 3-7-06

WRD records indicate no abandoned wells on site.

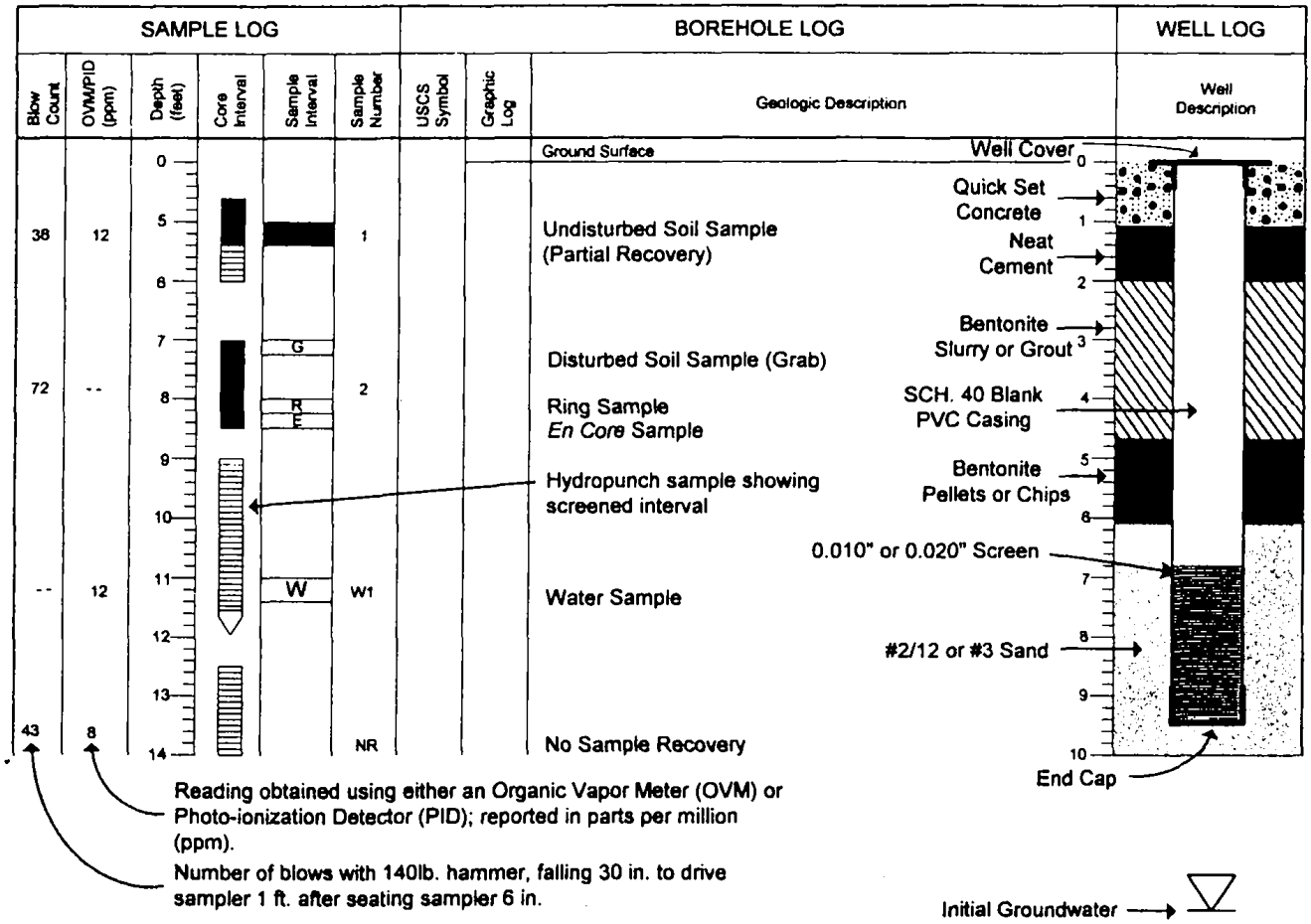
Date: 03/07/06 Int: BDC

07/3103

APPENDIX D

BOREHOLE/WELL LOGS

LEGEND FOR SYMBOLS COMMONLY USED ON BORING LOGS



NOTES:

1. Data on these logs are approximate because of uncertainties associated with subsurface exploration, incomplete recovery of samples and possible disturbance to the soil during sampling.
2. These logs describe conditions on the date indicated and may not represent conditions at other locations and on other dates.
3. Borings were logged to primarily provide data for design purposes and not necessarily for purposes of specific constructors.
4. Soil classifications shown on the logs are field classifications based on the Unified Soil Classification System (USCS).
5. The stratification lines indicate the approximate boundary between soil types; the transition may be gradual.

———————— Solid lines indicate soil boundary was observed directly.

– – – – – – – – – – Dash lines indicate the soil boundary was not observed directly and was inferred between sample locations.

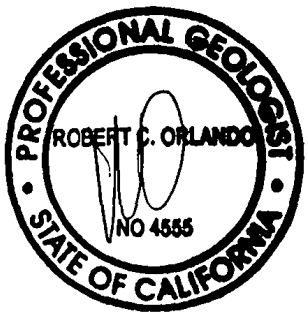
– – Infers that no blow counts or vapor readings were collected.

PW ENVIRONMENTAL *230 Dove Court, Santa Paula CA 93060*	BOREHOLE / WELL LOG	Number: MW1- abnd
	Project: Bauer Manufacturing	Sheet: 1 of 1
Date Started: 3/14/06 Date Finshed: 3/14/06	Street: 1140 South Wells Road City: Saticoy, CA	
PW Representative: JLR	Screen Size (Interval): NA Grout: Portland Cement/Bentonite (2'-19') Seal: NA Sand: NA	Borehole Dia: 8" Casing Dia: NA Casing Ele: NA
Drill Rig/Sample Method: CME 75		

SAMPLE LOG						BOREHOLE LOG			WELL LOG
Blow Count	OVA/PID (ppm)	Depth	Core Interval	Sample Interval	Sample Number	USCS Symbol	Graphic Log	GEOLOGIC DESCRIPTION secondary/primary soil type; minor soil type; color (Munsell); density; moisture; plasticity; grain size; other (% gravel, organics, oxidation, etc.); HC odor, HC staining	Well Description
								Ground Surface	
		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19						Well abandoned and backfilled. Backfilled with a portland cement/bentonite slurry, and completed at the surface with concrete.	
		20						End of Log	

PW ENVIRONMENTAL *230 Dove Court, Santa Paula CA 93060*	BOREHOLE / WELL LOG	Number: MW2- abnd
	Project: Bauer Manufacturing	Sheet: 1 of 1
Date Started: 3/14/06 Date Finshed: 3/14/06	Street: 1140 South Wells Road City: Saticoy, CA	
PW Representative: JLR	Screen Size (Interval): NA Grout: Portland Cement/Bentonite (2'-20') Seal: NA Sand: NA	Borehole Dia: 8" Casing Dia: NA Casing Ele: NA
Drill Rig/Sample Method: CME 75		

SAMPLE LOG						BOREHOLE LOG			WELL LOG
Blow Count	OVA/PID (ppm)	Depth	Core Interval	Sample Interval	Sample Number	USCS Symbol	Graphic Log	GEOLOGIC DESCRIPTION secondary/primary soil type; minor soil type; color (Munsell); density; moisture; plasticity; grain size; other (% gravel, organics, oxidation, etc.); HC odor, HC staining	Well Description
								Ground Surface	
		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20						Well abandoned and backfilled. Backfilled with a portland cement/bentonite slurry, and completed at the surface with concrete.	



PW ENVIRONMENTAL *230 Dove Court, Santa Paula CA 93060*	BOREHOLE / WELL LOG	Number: MW3R- abnd
	Project: Bauer Manufacturing	Sheet: 1 of 1
Date Started: 3/14/06 Date Finshed: 3/14/06	Street: 1140 South Wells Road City: Saticoy, CA	
PW Representative: JLR	Screen Size (Interval): NA Grout: Portland Cement/Bentonite (2'-20') Seal: NA Sand: NA	Borehole Dia: 8" Casing Dia: NA Casing Ele: NA
Drill Rig/Sample Method: CME 75		

SAMPLE LOG						BOREHOLE LOG			WELL LOG
Blow Count	OVA/PID (ppm)	Depth	Core Interval	Sample Interval	Sample Number	USCS Symbol	Graphic Log	GEOLOGIC DESCRIPTION secondary/primary soil type; minor soil type; color (Munsell); density; moisture; plasticity; grain size; other (% gravel, organics, oxidation, etc.); HC odor, HC staining	Well Description
								Ground Surface	
		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20						Well abandoned and backfilled. Backfilled with a portland cement/bentonite slurry, and completed at the surface with concrete.	

PROFESSIONAL GEOLOGIST
ROBERT C. ORLANDO
NO 4555
STATE OF CALIFORNIA

PW ENVIRONMENTAL *230 Dove Court, Santa Paula CA 93060*	BOREHOLE / WELL LOG	Number: MW4- abnd
	Project: Bauer Manufacturing	Sheet: 1 of 1
Date Started: 3/14/06 Date Finshed: 3/14/06	Street: 1140 South Wells Road City: Saticoy, CA	
PW Representative: JLR Drill Rig/Sample Method: CME 75	Screen Size (Interval): NA Grout: Portland Cement/Bentonite (2'-20') Seal: NA Sand: NA	Borehole Dia: 8" Casing Dia: NA Casing Ele: NA

SAMPLE LOG						BOREHOLE LOG			WELL LOG
Blow Count	OVA/PID (ppm)	Depth	Core Interval	Sample Interval	Sample Number	USCS Symbol	Graphic Log	GEOLOGIC DESCRIPTION secondary/primary soil type; minor soil type; color (Munsell); density; moisture; plasticity; grain size; other (% gravel, organics, oxidation, etc.); HC odor, HC staining	Well Description
								Ground Surface	
		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20						Well abandoned and backfilled. Backfilled with a portland cement/bentonite slurry, and completed at the surface with native fill.